

**Record 23: JP6287363A****(ENG) POLYETHYLENE RESIN COMPOSITION****Assignee:** TONEN SEKIYUKAGAKU KK

[ no drawing available]

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**Abstract:** (ENG) <sec>PURPOSE: To obtain the title composition having low melt viscosity and improved in melt moldability, environmental stress cracking resistance, rigidity and mechanical strengths by mixing two specified high-density polyethylenes with each other. CONSTITUTION: A high-density polyethylene (A) having a density of 0.940-0.950g/cm<sup>3</sup>, a melt index (MI<sub>1</sub>) of 0.01-0.08g/10min and an environmental stress cracking resistance of 1000hr or longer is mixed with a high-density polyethylene (B) having a density of 0.955-0.965g/cm<sup>3</sup> and a melt index (MI<sub>2</sub>) of 2-40g/10min in such amounts that the melt index (MI) defined by the formula:  $(MI) = (MI_1) - 0.04 + (MI_2) - 0.04$  (wherein  $MI_1$  and  $MI_2$  are the weight fractions of components A and B, respectively,  $MI_1 + MI_2 = 1.0$ ; and  $MI \geq 0.50$ ) may fall within the range: 0.20 ≤ (MI) ≤ 0.40. </sec>

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